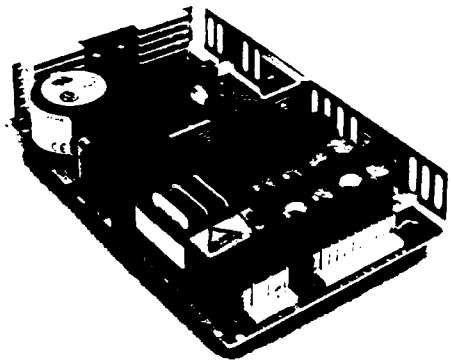
115 Watts

SRW-115 Series

Features

- **Universal 85-264 VAC Input**
- **Compact 4.25" X 7" X 1.25" Size**
- **Class B Emissions Per EN 55022**
- **Over 150,000 Hours MTBF**
- **Open Frame or Optional Chassis and Cover**
- **2 Year Warranty**
- **EN 60950 ITE Certification**



Safety Specifications

General	Protection Class: Overvoltage Category: Pollution Degree:	I II 2
c UL us	Underwriters Laboratories File E137708	UL 1950 First Edition
c UL us	UL Recognition Mark For Canada File E137708	CAN/CSA-C22.2 No. 950-M89
TUV	TUV License #1006/91	EN 60950 VDE 0805
CE		Low Voltage Directive
		CB Report per IEC 950 (1991) Second Edition. A1. A2. and all national deviations

Model Listing

MODEL	OUTPUT 1	OUTPUT 2	OUTPUT 3	OUTPUT 4
SRW-115-4001	+5V/12A	-5V/4A	+12V/4A	-12V/2A
SRW-115-4002	+5V 12A	+24V 1A	+12V/4A	-12V/2A
SRW-115-4003	+5V/12A	-5V/4A	+15V/3A	-15V/2A
SRW-115-4004	+5V/12A	+24V/1A	+15V/3A	-15V/2A
SRW-115-4005	+5V/12A	+12V/1A	+24V/3A	-12V/1A
SRW-115-4006	+5V/12A	+12V/3A	+15V/2A	-15V/2A
SRW-115-4007[4]	+5V 12A	+12V/2.5A	+24V/2A	-5V/1A
SRW-115-4008[4]	+24V/2A	+5V/3A	+5V/2A	-24V/2A
SRW-115-4011	+5V/5A	+15V/1A	+24V/5A	-15V/1A
SRW-115-4013	+5V/13A	+5V/5A	+12V/3A	-5V/3A
SRW-115-4012[4]	+5V 5A	+12V/1A	+12V/3A	-12V/1A
SRW-115-4014	+3.3V/12A	+5V/4A	+15V/3A	-15V/2A
SRW-115-4015	+3.3V/12A	+5V/4A	+12V/4A	-12V/2A
SRW-115-4016[5]	+5.2V/12A	+12V 4A	-12V/2A	-2V/9A
SRW-115-4017	5V/8A	19V 1A	19V/2A	54.5V/.5A
SRW-115-3001	+5V/12A		+12V 4A	-12V/2A
SRW-115-3002	+5V 12A		+15V/4A	-15V/2A
SRW-115-3003	+5V/12A		+24V/3A	-12V/1A
SRW-115-3004[5]	+5V/12A	+24V/1A	+12V/6A	
SRW-115-2001	+5V/12A		+24V/3A	
SRW-115-2002	+12V/5A			-12V/5A
SRW-115-2003	+15V/5A			-15V/5A
SRW-115-2004	+24V/2.5A			-24V/2.5A
SRW-115-2005	+5V/12A		+15V/5A	
SRW-115-2006	+5V/12A		+12V/5A	
SRW-115-2007	+17V/3.4A			-17V/3.4A
SRW-115-2008	+9.25V/6A			-9.25V/6A
SRW-115-2010	+7.5V/10A			-7.5V/6A

All specifications are maximum at 25° C unless otherwise stated and are subject to change without notice.

Output Specifications

Total Output Power	115W	
Output Voltage Centering	Output 1: 1% Output 2: ±5% Output 3: ±5% Output 4: ±5%	(All outputs at 50% rated load)
Source Regulation	Outputs 1-4: 0.5%	
Load Regulation	Output 1: 1% (10-100% Load Change) Output 2: 5% (10-100% Load Change) Output 3: 5% (10-100% Load Change) Output 4: 5% (10-100% Load Change)	
Cross Regulation	Output 2: 5% Output 3: 5% Output 4: 5%	(Output #1 Load Varied 50-100%)
Output Voltage Adjust Span Resolution	 Output 1: 95% To 105% 1%	
Output Noise Source Freq. Switching Freq. Total (20MHz)	 Outputs 1-4: 0.5% Outputs 1-4: 1% Outputs 1-4: 1%	 (Output under test at 100% rated load)
Hold Up Time	16mS Min. 115W Output 120V Input	
Start Up Time	1 Second	

Input Specifications

Source Voltage	85 - 264 Volts Continuous
Frequency Range	47-63 Hz
Source Current True RMS Peak Inrush	 3.5A at 85V Input 40A
Efficiency	.72-.80 (Varies by model)
Turn On Overshoot	None
Transient Response Voltage Deviation Recovery Time Load Change	Outputs 1-4 5% 2mS 50% To 100%
Output Overvoltage Protection (Optional)	Output 1: 110-150%
Output Overpower Protection	110% min., outputs 1-4. Outputs cycle on/off, auto recovery

Environmental Specifications

Ambient Operating Temperature Range	0° C to +50° C
Storage Temperature Range	-40° C To +85° C
Temperature Coefficient	Outputs 1-4: 0.02%/°C
Shock	Transient drop per MIL-STD-810E Method 516.4 Procedure IV
Vibration	MIL-STD-810E, Method 514.4 Category 1
Conducted Emissions	EN 55022 Class B

General Specifications

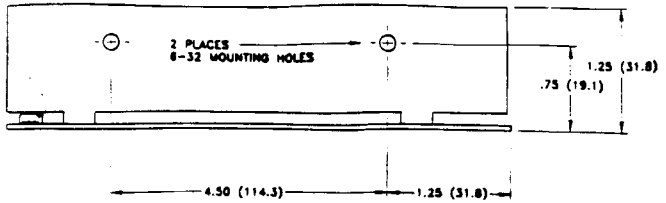
Dielectric Strength	4250 VDC, Primary to Secondary, 1 Sec. 2150 VDC, Primary to Ground, 1 Sec. 500 VDC, Secondary to Ground, 1 Sec.
Power Fail Signal (Optional)	Logic low with input power failure, 2 mS minimum prior to output 1 dropping 1%
Mean-Time Between Failures	150,000 Hours min., MIL-HDBK-217F, 25° C, GB

NOTES

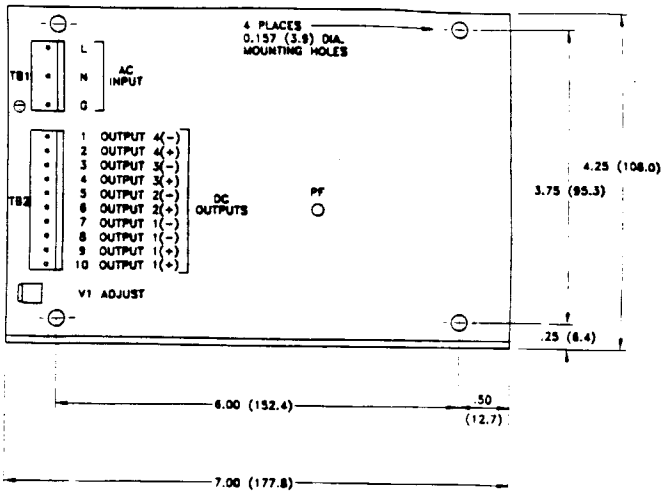
1. Consult factory for alternate output configurations.
2. Consult factory for positive, negative, or floating outputs.
3. Specify optional overvoltage protection, power fail signal, chassis or cover when ordering.
4. UL, CUL, only.
5. TUV only.

SRW 115 Series Mechanical Information

Open Frame



ALL DIMENSIONS: INCHES (MM)



AC Input and Ground Mating Connector TB1:

- .156 inch friction lock header mates with Molex 09-50-3051 or equivalent crimp terminal housing with Molex 08-50-0189 or equivalent crimp terminal.

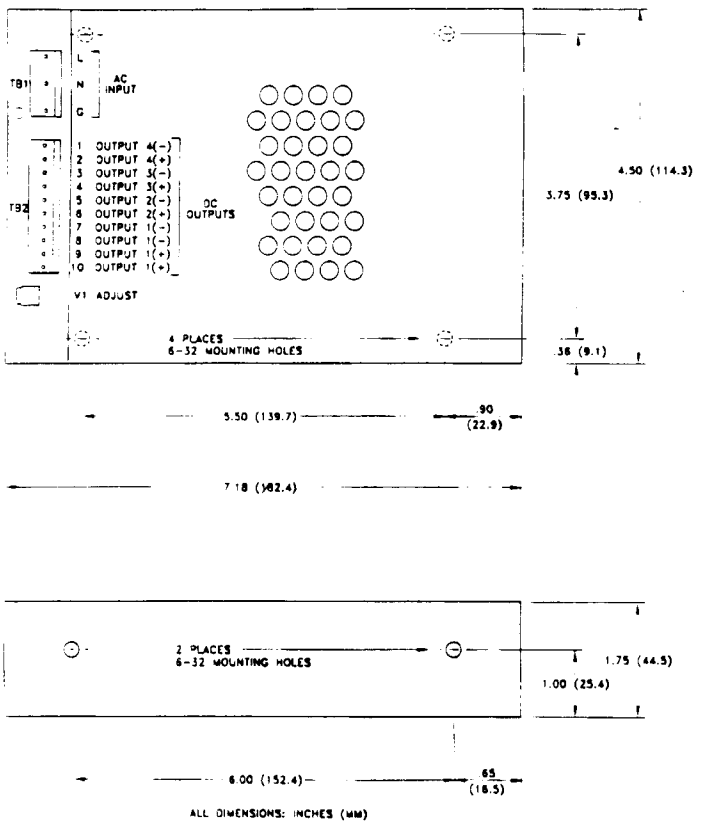
DC Output Mating Connector TB2:

- .156 inch friction lock header mates with Molex 09-50-3101 or equivalent crimp terminal housing with Molex 08-50-0189 or equivalent crimp terminal.

Power Fail Connectors:

- PF: Power fail signal
- TB2-7,8: Power fail signal return

Optional Chassis & Cover



ALL DIMENSIONS: INCHES (MM)

Applications Information

1. Maximum screw penetration into mounting holes is .25 inch.
2. Each output can deliver its rated load but total output power must not exceed 115 watts.
3. A minimum load of 20% is required on output one to insure proper regulation of remaining outputs.
4. Peak to peak output ripple and noise is measured directly at the output terminals of the power supply, without the use of the probe ground lead or retractable tip, 20 MHz bandwidth.
5. This power supply has been safety approved and final tested using a DC dielectric strength test. Please consult factory before performing an AC dielectric strength test.
6. This product is intended for use as a professionally installed component within information technology equipment.